

Japanese Patent Office  
Utility Model Laying-Open Gazette

Utility Model Laying-Open No. 42-17218  
Date of Laying-Open: October 4, 1967  
International Class(es):

( 1 pages in all)

---

Title of the Invention: Mounting Unit for Fuse of Receiver  
or like Devices

Utility Model Appln. No. 39-91592  
Filing Date: November 25, 1964  
Inventor(s): Minoru TAKAHASHI

Applicant(s): SANYO ELECTRIC CO., LTD.

Partial English Translation of  
Japanese Utility Model Publication No. 42-17218

Mounting Unit for Fuse of Receiver or like Devices

5

Detailed Description

The present utility model relates to an improvement of a unit for mounting a fuse on a printed wiring board.

10 If a fuse holder is attached to a printed wiring board of a radio receiver or the like, an elastic plate is usually placed on one side of the board to face it. Therefore, removal and replacement of a fuse is possible only on one side of the wiring board. According to the present utility model, a fuse mounting structure is devised to enable replacement of a fuse on either side of the printed wiring board.

15 A mounting unit of the present utility model is now described in detail in conjunction with the drawings. In the structure of this unit, an I-shaped through hole 2 is provided in a wiring board 1. On opposing protrusions 3, 3 formed by the through hole 2 respectively, smaller-diameter coil portions 7 respectively of a pair of coiled terminal metals 6  
20 having gradually increasing diameter are fit to be attached thereto. Terminal metals 5, 5 of a fuse tube 4 are fit between the larger-diameter portions of respective terminal metals 6. Conductive foil terminals 8, 8 are provided.

25 According to this utility model, the fuse can be replaced conveniently on either side of the printed wiring board. If one end of the coiled terminal metal is directed to a predetermined conductive terminal on the printed wiring board, attachment and electrical connection of the coiled terminal metal can be established simultaneously.

30 It is noted that preferably projections 9 are provided on opposing sides of the I-shaped through hole which are not the sides having the protrusions 3 as shown in the drawings for preventing lateral displacement of the fuse.

Scope of Claims for Utility Model Registration

5      A fuse mounting unit for a receiver and the like having an I-shaped through hole in a printed wiring board, smaller-diameter coil portions respectively of a pair of coiled terminal metals having gradually increasing diameter being fit on and attached to opposing protrusions formed by said through hole, and fuse terminal metals being fit between larger-diameter coil portions of said terminal metals.

59 B 0  
(98(1)A 3)特 許 庁  
実 用 新 案 公 報

実用新案出願公告

昭42-17218

公告 昭42.10.4

(全1頁)

## 受信機等のヒューズ取付装置

実 願 昭 39-91592  
 出 願 日 昭 39.11.25  
 考 案 者 高橋 稔  
 守口市京阪本通2の18三洋電機  
 株式会社内  
 出 願 人 三洋電機株式会社  
 守口市京阪本通2の18  
 代 表 者 井植 康男

## 図面の簡単な説明

図面は本考案のヒューズ取付装置を示し、第1図は平面図、第2図は断面図、第3図は分解斜視図である。

## 考案の詳細な説明

本考案は印刷配線基板にヒューズを取付ける装置の改良に係る。

ラジオ受信機等の印刷配線基板にヒューズホルダーを設ける場合普通基板の片側に弾性板が対向配置されるのでヒューズの着脱交換は配線基板の片側より行いうるのみであつた。本考案は印刷配

線基板の両側よりヒューズを交換しようとするその取付構造に工夫されている。

図面につき詳述するに本考案の取付装置は配線基板1に工字形透孔2を設け、前記透孔2により形成される対向凸部3、3に順次大径に形成した一对のコイル状端子金具6の小径コイル部7を嵌着し、前記端子金具6の大径コイル部間にヒューズ管4の端子金具5、5を嵌合した構成である。8、8は導電箔端子である。

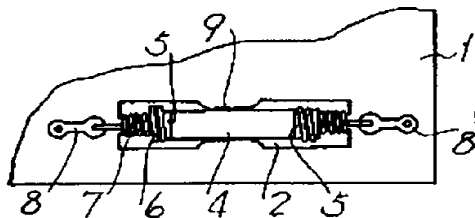
本考案によればヒューズは印刷配線基板の両側より交換されうるので極めて便利でありコイル状端子金具の一端は各々印刷配線基板上の所定の導電端子に導けばコイル状端子金具の取付けと電気的接続は一度に行うことが出来る。

尚、図示のように工字形透孔2の対向凸部を備えざる対向縁にヒューズの横ぶれを防止するための突出縁9を設けることが好ましい。

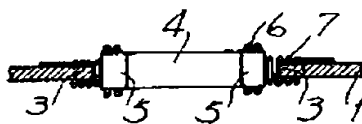
## 実用新案登録請求の範囲

印刷配線基板に工字形透孔を設け、前記透孔により形成される対向凸部に順次大径に形成した一对のコイル状端子金具の小径コイル部を嵌着し、前記端子金具の大径コイル部間にヒューズ端子金具を嵌合してなる受信機等のヒューズ取付装置。

第1図



第2図



第3図

